

GREEN MONSTER IS MAKING PREPARATIONS

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unless delay is absolutely unavoidable. The Green Monster company is planning to double its present force of twenty miners as soon as the machinery is installed.

Air for work in the Revenue tunnel as well as in the shaft will be supplied by the compressor. At present the work in the Revenue and Cliff tunnels is all by hand. It is probable that a smaller compressor will be placed at the portal of the Cliff.

A blower and engine have already been installed at the Revenue for purposes of ventilation. This is not necessary at the Cliff as the cleaning out of the old workings has provided excellent ventilation.

The Green Monster Company now actually owns every foot of its great estate, totalling more than 1200 acres.

W. T. Reed, of New York, representing the owners of the thirty-one unpatented claims which the Green Monster company has held since its organization, last week received a check for \$107,444. In exchange he gave the company deeds to all the claims and the documents have been filed with the county recorder at Prescott.

This means that the company owns actual mining ground, with surface indications as good as can be found in the district, instead of merely holding a "scrap of paper." The deal dug something of a hole in that half-million dollar development fund acquired by the Green Monster, but there is plenty more to demonstrate what lies under the surface.

Among the patented claims which changed ownership in this deal are the Revenue, Cliff and all the others of the Green Monster group that are regarded as particularly promising.

Previous to this deal the company held title to thirty-two unpatented claims, mostly on the lower side of the contact, and now it has still another, the Green Parrot. The Green Parrot is some ground that Director Hubert found open. As it looked good to him he located it and deeded it to the company.

MAJOR GENERAL ALESHIRE TO RETIRE FROM ARMY
WASHINGTON, Sept. 1.—Major General James B. Aleshire, who has been quartermaster general of the army since July 1, 1907, appeared before a retiring board today at his own request and was recommended for retirement because of physical disability.

SMELTER PLANS IN PROSPECT

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carsloads were shipped Monday, eight carsloads Tuesday and seven Wednesday.

Plans and specifications for the new shaft are being drawn. The collar of the shaft will be only a short distance east of the collar of the Edith—between the Edith and the new residence that is being constructed for President Douglas. It will be used entirely for ore haulage. The sinking of this shaft will begin as soon as the plans and specifications can be approved.

The new winze, being sunk from the 1400-foot level about 1000 feet south of the Edith, is down some 70 feet, and the ore in the bottom is slightly richer than at the collar. The flow of water is growing stronger, therefore the sinking is proceeding rather slowly.

REAL DEVELOPMENT WORK ON A. & A. TO BE UNDERWAY SOON

Unwatering Shaft Has Been Practically Completed and Operations Under Ground Will Be Instituted at Once.

JEROME, Sept. 2.—Actual development work will be under way at the Arkansas & Arizona within a week or ten days.

The pumps have lowered the water down to the 1600-foot level and the workings on the 1600 can be explored within a day or so, unless there are some bad caveins. It will not be long before the shaft is dry clear down to the station at 1640 feet. That is ordinarily spoken of as the shaft's greatest depth, though there is a 12-foot sump below that point.

Owing to a cavein several hundred level has not been thoroughly explored. It is not believed, however, that the management has any idea of developing from the 1200 and probably no steps will be taken soon to clear away the debris. The development, it is thought, will be from the 1600. There is a widespread belief locally that a crosscut will be run toward the North Verde ground.

Though the management probably

PROMINENT MEN COMING TO MEETING

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are Reginald W. Brock, director of the Canadian Geological Survey and lately of the Canadian Expeditionary Force, and D. C. Jackling, who is identified with many of the country's leading copper mining companies.

JEROME PORTLAND STRIKES SULPHIDES

JEROME, Ariz., Aug. 30.—The hoist, compressor and other machinery are in operation at the Jerome, Portland Copper Mining Co.

The three-compartment shaft is now over 100 feet.

Four jackhammers are being worked two shifts a day and sinking is now proceeding at a rapid rate.

At present this company is building a large boarding house for the accommodation of the miners and as soon as this is completed there will be another shift of miners put to work, and within a short time this property will certainly make a big showing as the indications are very favorable for a big strike.

Stringers of yellow sulphide are frequently encountered in the shaft. The first stringer was at a depth of 50 feet and from then on several stringers have been cut across. All eyes in Jerome are turned to this property and the expectations are that the Jerome, Portland is the next big company to open up another rich body of ore. The proof of the interest taken by the Jerome people is the big orders for stock coming in from the local people and officials of the different mining companies of the locality.

The Copper Chief, adjoining the Jerome Portland, is shipping its copper ore to the smelter at Humboldt and they are also treating 130 tons of gold ore per day through their mill, and are making a good recovery of values by the cyanide process.

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has some idea regarding the direction that development work will take, nothing definite will be given out until the arrival of Halstead Lindsay, engineer for the Goodrich-Lockhart syndicate, who is due early next week.

MANY MINE FAILURES NO FAIR CRITERION

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from the standpoint of the other company just cited.

We have in mind another company, not incorporated, composed of very wealthy men experienced in the mining business, who are continually on the still hunt for good mining properties. They will not consider a prospect, but only a mine with a developed tonnage, and while unlike the other company we have just mentioned, they have no operating organization, they have the means for equipping a property that is suffering from lack of or poor equipment and inadequate working capital and making from a mediocre property a big success, as they have recently done in one instance in British Columbia. The men in this aggregation say: "Why should we go through the worry and mental anguish of developing a prospect when we do not have to?" So that by this aggregation also, prospects, no matter how alluring, will not be considered.

The Gold Road, a revamped old producer, the Miami, made from a prospect into a big mine; and the Hedley, a re-equipped and enlarged producing mine turned into a big dividend payer, are specific examples of the results of the respective policies enumerated.

More prominent than any of these three companies is the Jackling-Hayden-Stone group, which up to now has made a specialty of handling only propositions of enormous size that are of such low grade that only operations of great magnitude can be made to pay. The Utah Copper, Ray, Chino and Alaska Gold are too familiar to need further mention.

Of course, when a company lets it be known that it is in the market for mining propositions, it is sure to be deluged with all sorts and kinds of comparatively large number of which will probably, in any event, not withstand a rigid office examination. However, owing to the different policies of the companies, the number of rejections that they make, of the propositions, submitted, is not an index of the value of the propositions considered. It shows not that there are no good mining propositions to be had, but only that the particular kind of proposition to fit their specified requirements was in the minority.

New mines are being found continually and developed into big successes. The most shining examples recently have been the Interstate, Callahan, now the third largest zinc producer in the world; the United Eastern, the new banner property of the Outman gold mining district in Arizona; the Mascot zinc mine, in Tennessee; the White Pine copper, in Michigan; the Magma, the Commonwealth, and finally, the United Verde Extension, all in Arizona, the last, perhaps the least well known of any, but one of the most striking copper discoveries of the period.

The Plymouth Consolidated, in California, an old mine for a long time dormant, has been made into a successful mine by Bewick, Morel and Co., which company has now taken over the Eureka mine, also in California, and expects to bring it to the point of successful exploration. The New Cornelia, at Ajo, Ariz., is a comparatively recent acquisition of another mine, which promises big success, as does also the Burro Mountain, being developed by Phelps Dodge at Tyrone, N. M. The Matambore copper mine in Cuba, the Yukon Gold's new operations in California and in Iditarod, Alaska, the Tonopah Mining Company's acquisition of placers in Colorado and many others come to mind of new mines found and developed of old ones, failures, rejuvenated and made profitable. The number of exploration companies mentioned is not by any means a full list but merely typical.

Not only is the field of opportunity not barren, but there is a marked need of an exploration company for the handling of comparatively small properties. There is always a large number of such promising prospects held by men who need capital, but who cannot interest the larger companies that disdain small scale operations. The propositions either need a moderate amount of capital to put them on a producing basis or a reasonable fund to develop them to a stage where they will be attractive to some of the larger exploration companies. Then to bring them before these larger companies would also be a proper function of this exploitation company of the new type suggested.

CONCENTRATOR MAY SOON BE ERECTED

(Continued from page one)
Quarterly Dividends.

Dividend payments for the third quarter of 1916 are now being announced by the large copper companies of the country. On good authority it is said that between \$16,000,000 and \$20,000,000 will be distributed among shareholders of copper companies in this country.

Calumet and Arizona directors have declared a dividend of \$2 per share, the same amount as declared the two preceding quarters of the year. The dividend means the disbursement by the company of \$1,234,802 and

GREAT RETURNS FROM DAISY ORES LAST MONTH

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ascertained these plans contemplate the exploration of an extensive area recently acquired, and indicate a departure from the development policy formerly in force.

Workings Nearly Unwatered.

With the big pump on the 700-foot level of the Jerome Victor Extension shaft spouting water like a whale, it is only a question of days now until the workings are completely drained and the work of sinking is started on the 1,200-foot level. The officials of the company authorize the statement that there is no truth in the rumor to the effect that legal action has been taken in the matter of the purchase of the property by the Monarch company and its subsequent transfer by the latter to the Jerome Victor Extension company. So far as can be ascertained no legal step affecting title to the ground is contemplated as there is nothing upon which an action could be based. With the unwatering of the shaft, therefore, it is probable the troubles of the managements will be of the past and that opening of copper ore bodies at depth will proceed without interruption.

Satisfactory progress is being made in developing the ore bodies on the property of the Black Chief Copper company in the Black Hills. The new pumping plant recently installed is entirely freed and is keeping the mine free of water; as a result, operations underground are being prosecuted without the vexatious delays which hitherto had been the rule. New ground is being opened up under mineral conditions indicative of the discovery in due course of a deposit of commercial ore.

Venture Apex Control Changes.

Control of the Venture Apex property adjoining the Venture Hill company's estate in the Jerome copper belt will, within a few days, be vested in H. E. Schumate and other mining men of Prescott and Jerome. The first payment was made about ten days ago and will shortly be followed by payment in full and a change in control as stated. The deal covers 85 acres of partially demonstrated mineral worth within the productive copper ore area of the Verde country and is one of the most important attachments of late to that section. Development work in a tunnel 600 feet long has exposed copper ore of commercial value and apparently in place. On the dump there are about 150 tons of ore that samples \$37 in copper per ton. Another tunnel has a length of 300 feet, but has not yet entered the ore. A number of shafts from 25 to 50 feet deep have been sunk at various points. Pending the passing of control, the parties to the deal are not prepared to announce their plans for the future development of the acreage, other than to state it will be aggressive and will be prosecuted at depth.

Montana capital, represented by George D. Case, former superintendent of the Anaconda Copper company's smelter in Montana, is back of a plan to finance and develop a group of claims south of Jerome. Several prominent mining men of the Jerome field are likewise interested in the project, among them being C. V. Hopkins, chief engineer of the United Verde Copper company, and George Mitchell, former superintendent of the United Verde Copper company's smelter.

Will Operate True Blue.

The old True Blue property in the Castle Creek district is to be developed by T. D. Pitkin, of Elko, Nevada. The property was formerly worked by his uncle, the late Major Pitkin, a pioneer mine operator in Yavapai county. Under the latter's administration a considerable tonnage of copper-gold ore was mined and treated in the old Barrett quartz mill. The younger Pitkin is on the ground with the intention of installing a flotation plant. He states that he and his associates have ample capital with which to establish the plant and open the mine at greater depth.

A contract has been let for an additional 50 feet of drifting from the winze below the tunnel level on the Hidden Treasure property in the Grouse Creek country. The two in the tunnel shows a good bit of native silver and is being blocked out with a view to shipping in the near future. Charles Bennett and other mining men of Jerome and Clarkdale are backing the venture.

The shaft on the property of the Jerome-Portland company is down better than 75 feet in a shaft formation that shows copper indications. A compressor and other mine machinery have been installed. The necessary camp buildings are being erected. Fifteen men are on the payroll.

makes a total, paid by the company since its organization, of \$84 a share, or a total of \$26,712,866. There are many indications which point to the reasonable supposition that C. & A. will earn this year a matter of \$18 per share on its stock, or something like \$6,500,000 in excess of dividend requirements, at the present rate of \$2 per quarter. The reason for the conservative dividends may be traced, in all probability, to the continued financing of New Cornelia of which company C. & A. owns about a three-fourths interest. It will not take anywhere near \$6,500,000 to entirely finance the Ajo property, however, and it is probable that the company is building a big surplus for future uses.

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A Few Facts Concerning PINAL DEVELOPMENT CO.

Pinal Development Company was organized in December, 1915, for the purpose of developing properties of merit and placing them into the producing class. It was with this object in view that the Renfro Copper Mines were taken over, and since that time the work of development has been constantly carried on and up to the present time the results have been more than satisfactory.

¶ A shaft has been sunk on the ore and at the present time is down over 100 feet. Several cars have been taken out and an average assay runs 17.9 copper, carrying small gold. Intermediate tunnels, aggregating over 500 feet, have exposed the ore body at lower elevations.

¶ The main tunnel which is being driven to intercept this ore body at a depth of 700 feet, has reached the first fault, the distance from the face to the portal being nearly 1300 feet. Here a sixfoot ledge of porphyry, heavy with iron oxide, was opened, and indications of a body of ore is very apparent. We are now drifting east on this fault and expect to tap the ore body at depth.

¶ The camp is well established and has all the facilities as well as favorable economic conditions for large mining operations and upon completion of arrangements for the shipment of ore there is no reason why Pinal Development Company should not develop a high grade copper mine.

¶ This stock will shortly be listed on the New York curb.

¶ Quotation from letter dated August 30, 1916, by Secretary Carpenter to one of the stock holders:

¶ "As regard Pinal Development Company, Mr. Devine has lined up things in great shape and my advice is to buy all you possibly can afford to. Big things ahead for this company."

Buy a few Shares while the stock is **\$1.00**

For further particulars address

C.T. CARPENTER, Secy.

Phoenix, Arizona.